

## Enhanced Flow Data Records Including Traffic Type Data

### Abstract of the Disclosure

[0086] Methods, apparatuses and systems directed to a flow-based, traffic-classification-aware data collection and reporting system. Embodiments of the present invention combine the flow-based data collection technologies with enhanced traffic classification functionality to allow for analysis and reporting into aspects of network operations that prior art systems cannot provide. Embodiments of the present invention provide enhanced views into the operation of computer network infrastructures to facilitate monitoring, administration, compliance and other tasks associated with networks. In one embodiment, when a traffic flow terminates, a traffic monitoring device emits a flow data record (FDR) containing measurements variables and other attributes for an individual flow. A data collector gathers the flow data records and enters them into a database. A network management application can then query the database with selected commands to derive reports characterizing operation of the network suitable to diagnose problems or view conditions associated with the network.